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TO WHOM IT MAY CONCERN

My career as a scientist in the field of oncology and environmental sciences began in 1981, alongside my director Professor Cesare Maltoni, oncologist and internationally renowned researcher, and I was one of his closest researchers until his untimely death in 2001. I recently retired after having held the position of Deputy Scientific Director (2001-2008) and then Scientific Director (2009-2022) of the Ramazzini Institute in Bologna. In particular, I was responsible for the Research Area of the Institute itself. As part of this research, I have executed a large-scale review of health effects of RF-EMF exposure on humans for the European Parliament (STOA - Health impact of 5G - Study 22-07-2021), which can be found here:

[https://www.europarl.europa.eu/stoa/en/document/EPRS_STU\(2021\)690012](https://www.europarl.europa.eu/stoa/en/document/EPRS_STU(2021)690012)

The review was focused on cancer and reproductive/developmental effects, and shows:

- **RF-EMF 700-3600 MHz** are probably carcinogenic for humans, in particular related to gliomas and acoustic neuromas. These frequencies clearly affect man fertility and possibly woman fertility too. They may have possible adverse effects on the development of embryos, fetuses and newborns;
- **RF-EMF 24- 100 GHz**: No adequate studies were performed on non thermal effects of the higher frequencies (millimetric and microwaves).

The results of this study could form the basis for developing evidence-based policies regarding RF-EMF exposure of human and non-human organisms. Further studies are needed to better and independently explore the health effects of RF-EMF in general and of MMW in particular.

Sincerely,



Dr Fiorella Belpoggi